

Welding & Fabrication with Pipeline Technology
12 Months

Educational Objective: The Welding & Fabrication with Pipeline Technology program is designed to provide the student with the knowledge and skills needed to apply for an entry-level position in this industry.

Program Overview: Courses in this program will provide training in welding procedures, blueprint reading, fabrication and layout. Additional instruction is provided in various processes and techniques of welding and fabrication skills. Laboratory activities also include oxyacetylene welding, brazing, and cutting; Shielded Metal Arc Welding (SMAW), MIG Welding (GMAW), Flux Cored Welding (FCAW), TIG welding (GTAW), Pipe welding, and certification test preparation per current industry standards, practices and techniques. Students will learn to use critical thinking and problem-solving skills, along with learning about judgment and decision-making. Graduates are able to apply for positions with job titles such as: Welder, Cutter, Solderer, Brazer, Welding Technician, Fabricator, and Pipefitter.

Credential Awarded: Graduates of this program will earn a diploma.

Certifications Available: CareerSafe OSHA-10, AWS D1.1 Structural Welding, AWS Flux Core Welding

Laurel Technical Institute has established a Program Advisory Committee to ensure that the curriculum is consistent with current job market trends and employer needs. Upon recommendation from this committee, Laurel Technical Institute reserves the right to make program changes to better prepare our students for the job market. Changes are made with the approval of the Pennsylvania State Board of Cosmetology and the Accrediting Commission of Career Schools & Colleges.

For more information about our graduation rates, the median debt of students who completed the program and other important information, please see [Consumer Information Disclosure](#) found in this catalog and on our website at <http://laurel.edu/consumer-information>.

Typical Course Schedule: This program is a total of 1,110 clock hours of training during 45 weeks for typical full-time students. Classes can be held Monday through Friday, from 8:00 am to 4:00 pm including scheduled breaks.

Available at the Sharon Satellite.

Required Courses:

TECHNICAL COURSES		Clock	
Course #	Course	Hours	Credits
WFP102	Introduction to Welding	75	4
WFP104	Blueprint Reading	30	2
WFP105	Shielded Metal Arc Welding I	105	5
WFP106	Gas Metal Arc Welding	150	7
WFP205	Shielded Metal Arc Welding II	90	4
WFP109	Flux Cored Arc Welding	90	4
WFP110	Layout & Fabrication	105	5
WFP111	Pipe Welding I	105	5
WFP112	Gas Tungsten Arc Welding	150	7
WFP211	Pipe Welding II	90	4
WFP255	Shielded Metal Arc Welding III	60	3
WFP115	Welding Inspection Techniques	30	2
OTHER COURSES			
EMP291	Career Development	<u>30</u>	<u>2</u>
		1110	54

Please note: Graduates of this program may find the need to travel, sometimes extensively, if seeking employment within the Welding Industry. Relocation may be a necessity for employment.